

Notice of Allowability

Application No.

10/017,680

Examiner

Maikhanh Nguyen

Applicant(s)

LUCOVSKY ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the telephonic interview on 07/26/2007.
2. ☒ The allowed claim(s) is/are 1-3, 5-18, 20, 24-27, 29, 31, and 33 (now renumbered as 1-25).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 9/16/02 & 1/24/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date ____.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

William L. Bashore
WILLIAM BASHORE
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Anthony Azure (Reg. No. 52,580) on 07/25/2007.

The application has been amended as follows:

Amendments to the Claims:

- (a) **All previous copies of claims 1 and 33 have been replaced with the following clean copy of claims 1 and 33 as amended by the Examiner's amendment.**

1. In a computer network, a method comprising,
receiving a request from a requester at a my-services service for location information of a user identity-based service, wherein the my-services service describes available services for a given user identity of a user of the computer network, the my-

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services service having a my-services schema that maintains data about other services in one or more service-related fields;

providing location information to the requester regarding the requested user identity-based service, wherein the requested user identity-based service to organize data associated with the user based on an identity of the user, the user identity-based service including a user identity-based service schema having service-related fields arranged into a content document with defined structures for the fields, wherein the user identity-based service to receive data used by the user identity-based service from another user identity-based service in accordance with a push model, wherein the push model includes receiving an update to the data from the another user identity-based service after the data changes at the another user identity-based service, wherein the push model uses a Service-to-Service Communication Protocol (SSCP) between user identity-based services, wherein a user identity-based service may be a publisher and/or a subscriber in the SSCP, wherein the SSCP includes:

a publisher-to-subscriber communication to send changes to a publisher's data to one or more subscribers of the publisher's data;

a subscriber-to-publisher communication to update one or more subscribers to the publisher's data;

a service status communication used by a publisher to inform one or more subscribers to the publisher that the publisher is going offline or has come online, and used by a subscriber to inform one or more publishers to the subscriber that the subscriber is going offline or has come online;

receiving a data access request directed to service information at the user identity-based service from the requester, the request including associated user identity information;

in response to the data access request, manipulating at least one set of data in a logical service document that includes data therein according to the associated identity information, each set of data in the logical service document structured to correspond to a field in the content document; and

returning the logical service document to the requester in response to the data access request.

33. A computer readable storage medium including computer readable instructions that when executed by a computer perform the method of claim 1.

b. Claims 19, 28, 30, and 32 have been cancelled.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "*Comments on Statement of Reasons for Allowance.*"

ADDITIONAL REFERENCES

4. The Examiner as of general interest cites the following references:

- Kumar et al. U.S. Pat. No.: 6,343,287
- Ankireddipally et al. U.S. Pat. No.: 6,772,216
- Horvitz et al. U.S. Pat. No.: 6,980,993
- Belfiore et al. U.S. Pat. No.: 6,990,513
- Horvitz et al. U.S. Pat. No.: 7,206,788
- Kraft et al. USPG Pub. : 2002/0099593
- Anonymous, "*CORBA Components - Volume I*", Object Management Group XP002260124, August 1999, pp. 1-96.
- D. Kormann et al., "*Risks of the Passport Single Signon Protocol*", Computer Networks, May 2000, pp. 51-58.
- P. Farjami et al., "*Advance Service Provisioning Based on Mobile Agents*", Computer Communications, April 2000, pp. 754-760.
- T. Magedanz, "*TINA - Architectural Basis for Future Telecommunications Services*", Computer Communications, June 1996, pp. 233-245.
- A. Lingstadt, "*Application Messaging System*", McLaren Software Technology PTY. Ltd., WO 98/38585, 09-1998.

CONTACT INFORMATION

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maikhanh Nguyen whose telephone number is (571) 272-4093. The examiner can normally be reached on Monday - Friday from 9:00am – 5:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached at (571) 272-4137.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for patents

P.O. Box 1450

Alexandria, VA 22313-1450

MN

William L. Bashore
WILLIAM BASHORE
PRIMARY EXAMINER

Information Disclosure Statement

2. The listing of references in the Search Report is not considered to be an information disclosure statement (IDS) complying with 37 CFR 1.98. 37 CFR 1.98(a)(2) requires a legible copy of: (1) each foreign patent; (2) each publication or that portion which caused it to be listed; (3) for each cited pending U.S. application, the application specification including claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion, unless the cited pending U.S. application is stored in the Image File Wrapper (IFW) system; and (4) all other information, or that portion which caused it to be listed. In addition, each IDS must include a list of all patents, publications, applications, or other information submitted for consideration by the Office (see 37 CFR 1.98(a)(1) and (b)), and MPEP § 609.04(a), subsection I. states, "the list ... must be submitted on a separate paper." Therefore, the references cited in the Search Report have not been considered. Applicant is advised that the date of submission of any item of information or any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the IDS, including all "statement" requirements of 37 CFR 1.97(e). See MPEP § 609.05(a).